# Multi-Functional Photo/Video Recorder

## *ER-130V series /ER-110VL EasyRECORD™ User Manual*

Thanks for choosing - EasyRECORD™. This manual will show you the basic operation process from beginning, and leads you using EasyRECORD™ to create your unique photo or video by pleasure.

### 1. Names and Functions of Each Part

① **ON/OFF button** ：Power ON/OFF.

② **Status Light** ：Green/Red light, alarming or showing status or wrong information.

③ **Start/Stop button**：Start/Stop Record b

④ **Battery Space**：Use 2 pcs of AAA Alialine battery.

⑤ **SD Card Storage Area**：Insert SD card.

⑥ **Transformer Area**：For outside power DC 5V 0.5A Transformer (optional).

⑦ **Camera Location**：ER-130V series 1.3M Resolution / ER-110VL CIF(100K)Resolution

## 2. Using Guide.

### 2.1)SD Card Format :

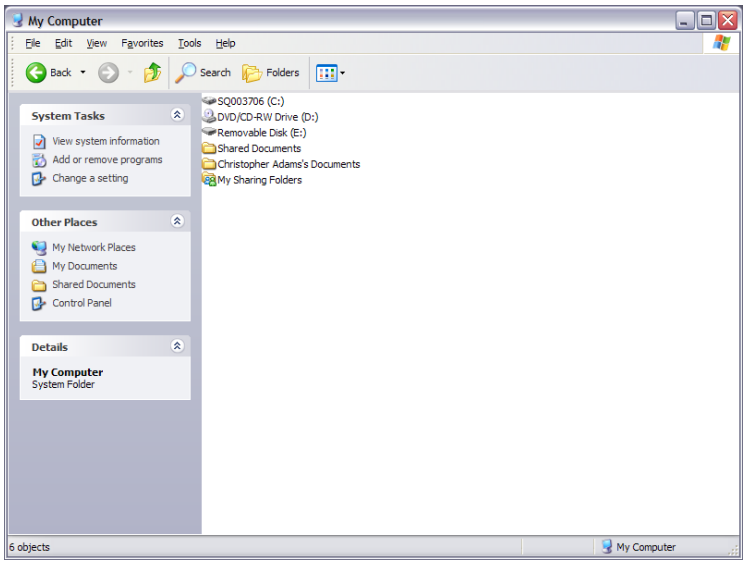
**EasyRECORD™** supports SD card version 1.0 only, maximum storage reaches to 2GB volume. **It is better to use 1GB and 2GB SD card.** SD card version 2.0, and SDHC 4GB Over SD card and others format are not supported.

*** Please make sure SD Card has formatted in Windows system before using in EasyRECORD™ !!!!**

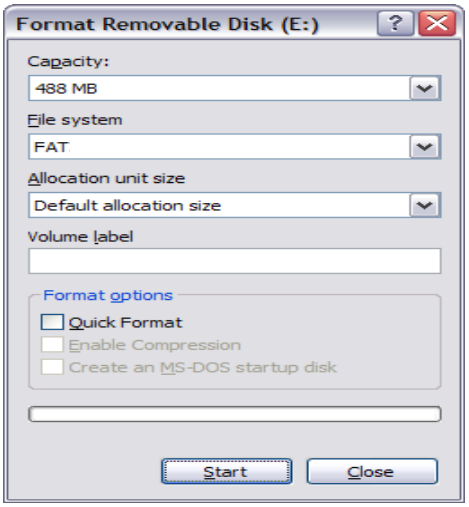
**Format steps:**

*** Format will delete all contents of SD card, so please backup your data if necessary!!!!**

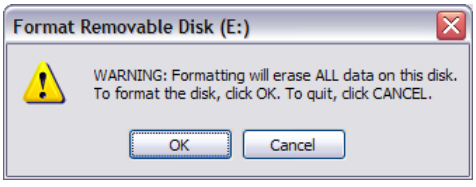
Insert SD Card to card reader and connect with PC. Choose SD Card driver under “My computer” in Windows desktop，click right button of mouse for menu，Click ”Format”.



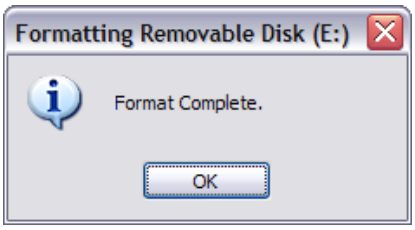

Format items appear：Choose ”FAT”, then press ”Start”.




Confirmation window appears，confirm by “OK”.


Format Removable Disk (E:)
WARNING: Formatting will erase ALL data on this disk.
To format the disk, click OK. To quit, click CANCEL.
OK
Cancel

While the below window shows, format process has been done, confirm by “OK”.




**2.2) Download Timing Setting through EasyRECORD AVI Player to Formatted SD Card: (*)**

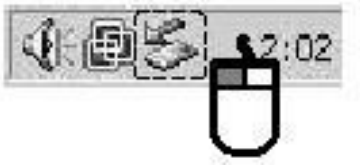
Insert formatted SD Card in card reader and connect with PC. Launching **EasyRECORD AVI Player** program (Please refer **“EasyRECORD AVI Player Installation Guide**” to install **EasyRECORD AVI Player** first), proceeding timing setup procedure.

(Please refer “**Camera Setting**” of “**EasyRECORD_AVI_Play_manual_user_guide**” for details.).

**Processing “Safety Exit” procedure properly**

*** Safety Exit procedure is requested to be done completely, or it might damage to SD Card .**

Please follow your PC system operation procedure to place mouse cursor on “Stop a Hardware Device” icon in the system tray, and click left mouse button.




Select “Stop USB Mass Storage Device”.

Wait till confirmed window shows, and confirm the procedure and remove SD Card from card reader. Insert SD Card to **EasyRECORD™,** then press ON/OFF button to turn on.

Green LIGHT will be on then off with 3 short beeps, means timing setup file has been loaded to **EasyRECORD™**. If 3 short beeps is not heard, please restart 2.1) process.

*** Timing setup procedure is requested to load to EasyRECORD™ before using at first time, and setting by according to user’s requirement, such as record time interval setting. Pls refer “EasyRECORD_AVI_Play_manual_user_guide” for details.**

- **Pls. make sure SD card has been inserted to EasyRECORD™ before Power on, or else EasyRECORD™ will alert 3 short beeps and power off automatically if SD Card hasn't been detected.**

**2.3) Recording Time Lapse Video (AVI File Recording):**

**2.3.1) Power on**

Insert SD Card to ⑤ (refer to 1.1), then press Power ON/OFF button for 1sec, Green LIGHT on, **EasyRECORD™** alert 2 short beeps, system is ready to start recording.

**2.3.2) Start Recording**

Press Start/Stop button for 1sec., **EasyRECORD**™ alert 1 short beep and start to record, Green LIGHT is flashing continuously, shows recorded file is saving to SD Card.

*** Please be noticed when EasyRECORD™ is under "Power On" status, don't take SD Card out for avoiding to damage SD Card and losing recorded file.**

*** Please press "Start/Stop" button to force system for response if user wants to check system status. EasyRECORD™ will light on Green LIGHT to flash 1 time and take 1 picture.**

**Example:**

If user setup time interval by 30secs, system will stay on power saving mode automatically after taking first picture, and taking second picture after 30 seconds. Under the power saving mode, **EasyRECORD**™ will keep light off during the interval of 1st photo and 2nd photo.

### 2.3.3) Stop Recording

Press Start/Stop button for 2secs, **EasyRECORD**™ alerts 2 short beeps and stop recording, Green LIGHT will be on without flashing, shows **EasyRECORD**™ is on waiting mode.
If waiting mode is over 1 minute, **EasyRECORD**™ will power off after 3 short beeps if user doesn't press "Start/Stop" record button.

### 2.3.4) Power off

When **EasyRECORD**™ under waiting mode (Green LIGHT always on), press Power ON/OFF button for 2secs, Green LIGHT will be off, and **EasyRECORD**™ will power off after 2 short beeps. Please follow this instruction to avoid unexpected and unrecoverable damage to Recorded Files or SD Card or **EasyRECORD**™ itself.

### 2.3.5) Enforcing Power Off

If **EasyRECORD**™ is under recording status (Green LIGHT flashing), user presses Power ON/OFF button for 3secs will enforce system to power off directly and cause damage.

**Warning:**

**Enforcing Power Off will cause unexpected and unrecoverable damage to Recorded Files or SD Card or EasyRECORD™ itself.**

## 2.4) Digital Camera Mode:

Staring **2.2) to load time setup file after s**etting time interval by **0 min. 0 sec.**

### 2.4.1) Power on

Please refer to 2.3.1) process.

### 2.4.2) Picture Taking:

Press "Start/Stop" button, **EasyRECORD**™ alert 1 short beep and take 1 picture, Green Light flashing shows file saving. Press "Start/Stop" button to take next picture when Green LIGHT back to always on.

### 2.4.3) Power off

Please refer to 2.3.4) process.

## 2.5) Identification of Light and Beep:

### 2.5.1) Color of Light

Green LIGHT shows battery and operation status.

Green LIGHT always on➔ System already in waiting mode.

Green LIGHT flashing interval repeatedly➔ Show under recording.

Green LIGHT keeping flashing➔ Recorded file is saving to SD Card.

Red LIGHT shows memory device abnormal or not enough memory capacity or battery low.

Red LIGHT flashes 3 times➔ Power off after 1sec, indicates memory device abnormally.

Red LIGHT flashes 3 times➔power off after 1sec., means memory capacity is not enough.

Red LIGHT flashes 1 time➔ then power off, means battery low.

**2.5.2) Beeps**

2 short beeps➔ System in waiting mode.

1 short beeps➔ System start recording.

2 short beeps➔ System power off.

## 3. Fast Checking List

| | Status | Possible Cause | Corrective Action |
|---|---|---|---|
| **1** | Red LIGHT flashes 3 times and power off | No SD Card | Insert formatted SD Card. |
| | | SD Card abnormal | Process 2.1) SD Card format step and 2.2) download time setting file. |
| | | SD Card capacity full | Delete chosen files from SD Card to increase useful capacity. |
| | | SD Card wrong version | Change to version 1.0 and not exceed 2G |
| **2** | Time setup file can not be loaded. | Not execute **Safety Remove process properly** | Restart 2.1)SD Card format step and 2.2) download time setup file |
| | | SD Card abnormal | Restart 2.1)SD Card format step and 2.2) download time setup file |
| **3.** | Green LIGHT always on but can not record. | SD Card abnormal | Take the battery out and put in again. Restart 2.1)SD Card format step and 2.2) download time setup file |
| **4** | No LIGHT flashing during recording | SD Card capacity full and system power off automatically. | Check SD Card useful capacity. |
| | | Battery low, system power off automatically. | Please change new battery. |
| | | Recording mode and system under power saving mode | Press ”**Start/Stop”** to enforce system for response if necessary. |
| **5** | Recording time doesn’t match real time | Time variation between user setting and real time are caused by long time interval from timing setup to load setting file | Launch “**EasyRECORD AVI Play➔Options➔ Camera Setting➔Set Time to**” for setting buffer time. **EasyRECORD**™ will add extra 1min or 5mins or same as PC system time as recording initial time |

| | | | |
|---|---|---|---|
| | | into **EasyRECORD**™, | |
| | | Embedded time setting chargeable battery power low | Taking 30mins continuously under first using, or settle AAA battery to **EasyRECORD**™ for 30mins at least to make sure time setting battery is charged fully.<br>Restart 2.2) Download Timing Setting |
| **6** | Short battery life | Battery type and capacity difference. | Change to big current alkaline battery. |
| | | Low battery | Change new battery |
| | | Time interval setting | Increase time interval setting to prolong battery life |
| **7** | Recorded AVI file is not able to be played | Not supporting to user chosen player. | Please use “EasyRECORD AVI Play “process in attached free disk. |
| | | Solum AVI Play can not play. | Might cause by Enforcing Power Off, Recorded file or SD card could be damaged, please try to format again or change new SD Card |
| **8** | Battery and transformer are used together | | When battery and transformer are used together, system will choose transformer first and cut off battery circuit to save battery. |
| **9** | Same SD Card and time interval setting, but different recording time period. | | Recording time period depends on the object and color complexity of photo, simple elements in photo will earn longer period.. |
| **10** | Auto power on after battery setting and Green light always on, but no response by button pressing. | System error by power failure | Resettle battery, then insert SD Card, wait till red light flashing 3 times. Turn on again. |
| **11** | AVI file can not be played in EasyRECORD AVI Player. | Not recorded by **EasyRECORD**™ | EasyRECORD AVI Player can only play AVI file which is recorded by **EasyRECORD**™. |
| | | AVI file has been edited | EasyRECORD AVI Player can only play original AVI file which is taken by **EasyRECORD**™ and before edition by any software. |

## 4. Specifications

| Type: | ER-130V | ER-110V |
|---|---|---|
| Resolution | 1.3M(1280*1024 Pixel) | 100K(352*288 Pixel) |
| Auto Exposure | Yes | |
| Auto White Balance | Yes | |
| Power Saving Mode | Yes, Power off automatically after waiting over 60secs. | |
| Buzzer: | Yes | |
| SD Card | SD card ver. 1.0，Max support to 2GB (Optional) | |
| File System | FAT | |
| Video Format | AVI | |
| Photo Format | JPG | |
| Battery | AAAX2 4# battery (alkalinity) | |
| Transformer: | DC5V 0.5A (Optional) | |
| Size: | 90x57x25mm(L x H x T) | |
| Weight: | 50g(no battery) | |
| | | |